

ROAMING LOCAL AREA NETWORK

Abstract

A roaming local area network (LAN) includes a first Internet Protocol (IP) sharing device for sharing connection to a first dynamic IP address, a first group of network devices connected to the first IP sharing device, a second IP sharing device for sharing connection to a second dynamic IP address, and a second group of network devices connected to the second IP sharing device, wherein each network device in the first and second groups of network devices has a unique virtual IP address. A host is connected to the Internet through a static IP address, and the host controls data traffic between the first group of network devices and the second group of network devices.